



R4709

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/763,902B

DATE: 08/26/2002

TIME: 14:29:22

Input Set : A:\pf0577usn_seqlist.txt

Output Set: N:\CRF3\08262002\I763902B.raw

ENTERED

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4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
5   TANG, Y. Tom
6   LAL, Preeti
7   BANDMAN, Olga
8   YUE, Henry
9   CORLEY, Neil C.
10  GUEGLER, Karl J.
11  GORGONE, Gina A.
12  BAUGHN, Mariah R.
13  PATTERSON, Chandra
15 <120> TITLE OF INVENTION: PROTEIN TRANSPORT-ASSOCIATED MOLECULES
17 <130> FILE REFERENCE: PF-0577 PCT
C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/763,902B
C--> 20 <141> CURRENT FILING DATE: 2002-08-22
22 <150> PRIOR APPLICATION NUMBER: 60/098,206
23 <151> PRIOR FILING DATE: 1998-08-27
25 <160> NUMBER OF SEQ ID NOS: 16
27 <170> SOFTWARE: PERL Program
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 480
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35 <221> NAME/KEY: misc_feature
36 <223> OTHER INFORMATION: Incyte ID No:012033CD1
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42          20          25          30
43 Ala Gly Val Arg Pro Ser Ala Gly Asn Val Ser Thr His Pro Ser
44          35          40          45
45 Leu Ser Gln Arg Pro Gly Gly Ser Thr Lys Ser His Pro Glu Pro
46          50          55          60
47 Gln Thr Pro Lys Asp Ser Pro Ser Lys Ser Ser Ala Glu Ala Gln
48          65          70          75
49 Thr Pro Glu Asp Thr Pro Asn Lys Ser Gly Ala Glu Ala Lys Thr
50          80          85          90
51 Gln Lys Asp Ser Ser Asn Lys Ser Gly Ala Glu Ala Lys Thr Gln
52          95          100         105
53 Lys Gly Ser Thr Ser Lys Ser Gly Ser Glu Ala Gln Thr Thr Lys
54          110         115         120
55 Asp Ser Thr Ser Lys Ser His Ser Glu Leu Gln Thr Pro Lys Asp

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56		125		130		135
57	Ser Thr Gly Lys	Ser Gly Ala Glu Ala	Gln Thr Pro Glu Asp	Ser		
58		140		145		150
59	Pro Asn Arg Ser	Gly Ala Glu Ala Lys	Thr Gln Lys Asp	Ser Pro		
60		155		160		165
61	Ser Lys Ser Gly	Ser Glu Ala Gln Thr	Thr Lys Asp Val	Pro Asn		
62		170		175		180
63	Lys Ser Gly Ala	Asp Gly Gln Thr Pro	Lys Asp Gly Ser	Ser Lys		
64		185		190		195
65	Ser Gly Ala Glu	Asp Gln Thr Pro Lys	Asp Val Pro Asn	Lys Ser		
66		200		205		210
67	Gly Ala Glu Lys	Gln Thr Pro Lys Asp	Gly Ser Asn Lys	Ser Gly		
68		215		220		225
69	Ala Glu Glu Gln	Gly Pro Ile Asp Gly	Pro Ser Lys Ser	Gly Ala		
70		230		235		240
71	Glu Glu Gln Thr	Ser Lys Asp Ser Pro	Asn Lys Val Val	Pro Glu		
72		245		250		255
73	Gln Pro Ser Arg	Lys Asp His Ser Lys	Pro Ile Ser Asn	Pro Ser		
74		260		265		270
75	Asp Asn Lys Glu	Leu Pro Lys Ala Asp	Thr Asn Gln Leu	Ala Asp		
76		275		280		285
77	Lys Gly Lys Leu	Ser Pro His Ala Phe	Lys Thr Glu Ser	Gly Glu		
78		290		295		300
79	Glu Thr Asp Leu	Ile Ser Pro Pro Gln	Glu Glu Val Lys	Ser Ser		
80		305		310		315
81	Glu Pro Thr Glu	Asp Val Glu Pro Lys	Glu Ala Glu Asp	Asp Asp		
82		320		325		330
83	Thr Gly Pro Glu	Glu Gly Ser Pro Pro	Lys Glu Glu Lys	Glu Lys		
84		335		340		345
85	Met Ser Gly Ser	Ala Ser Ser Glu Asn	Arg Glu Gly Thr	Leu Ser		
86		350		355		360
87	Asp Ser Thr Gly	Ser Glu Lys Asp Asp	Leu Tyr Pro Asn	Gly Ser		
88		365		370		375
89	Gly Asn Gly Ser	Ala Glu Ser Ser His	Phe Phe Ala Tyr	Leu Val		
90		380		385		390
91	Thr Ala Ala Ile	Leu Val Ala Val Leu	Tyr Ile Ala His	His Asn		
92		395		400		405
93	Lys Arg Lys Ile	Ile Ala Phe Val Leu	Glu Gly Lys Arg	Ser Lys		
94		410		415		420
95	Val Thr Arg Arg	Pro Lys Ala Ser Asp	Tyr Gln Arg Leu	Asp Gln		
96		425		430		435
97	Lys Tyr Val Leu	Ile Leu Asn Val Phe	Pro Ala Pro Pro	Lys Arg		
98		440		445		450
99	Ser Phe Leu Pro	Gln Val Leu Thr Glu	Trp Tyr Ile Pro	Leu Glu		
100		455		460		465
101	Lys Asp Glu Arg	His Gln Trp Ile Val	Leu Leu Ser Phe	Gln Leu		
102		470		475		480
106	<210> SEQ ID NO: 2					
107	<211> LENGTH: 140					

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108 <212> TYPE: PRT
109 <213> ORGANISM: Homo sapiens
111 <220> FEATURE:
112 <221> NAME/KEY: misc_feature
113 <223> OTHER INFORMATION: Incyte ID No:1209687CD1
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119           20           25           30
120 Arg Arg Arg Leu Leu Ser Arg Leu Tyr Met Gly Thr Ala Thr Leu
121           35           40           45
122 Val Trp Asn Gly Asn Ala Val Ser Gly Gln Glu Ser Leu Ser Glu
123           50           55           60
124 Phe Phe Glu Met Leu Pro Ser Ser Glu Phe Gln Ile Ser Val Val
125           65           70           75
126 Asp Cys Gln Pro Val His Asp Glu Ala Thr Pro Ser Gln Thr Thr
127           80           85           90
128 Val Leu Val Val Ile Cys Gly Ser Val Lys Phe Glu Gly Asn Lys
129           95          100          105
130 Gln Arg Asp Phe Asn Gln Asn Phe Ile Leu Thr Ala Gln Ala Ser
131          110          115          120
132 Pro Ser Asn Thr Val Trp Lys Ile Ala Ser Asp Cys Phe Arg Phe
133          125          130          135
134 Gln Asp Trp Ala Ser
135          140
139 <210> SEQ ID NO: 3
140 <211> LENGTH: 519
141 <212> TYPE: PRT
142 <213> ORGANISM: Homo sapiens
144 <220> FEATURE:
145 <221> NAME/KEY: misc_feature
146 <223> OTHER INFORMATION: Incyte ID No:1717058CD1
148 <400> SEQUENCE: 3
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152           20           25           30
153 Thr Val Ser Thr Leu Glu Ser Ser Pro Ser Ser Pro Glu Pro Ala
154           35           40           45
155 Ser Leu Pro Ala Glu Asp Ile Ser Ala Asn Ser Asn Gly Pro Lys
156           50           55           60
157 Pro Thr Glu Val Val Leu Asp Asp Asp Arg Glu Asp Leu Phe Ala
158           65           70           75
159 Glu Ala Thr Glu Glu Val Ser Leu Asp Ser Pro Glu Arg Glu Pro
160           80           85           90
161 Ile Leu Ser Ser Glu Pro Ser Pro Ala Val Thr Pro Val Thr Pro
162           95          100          105
163 Thr Thr Leu Ile Ala Pro Arg Ile Glu Ser Lys Ser Met Ser Ala

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164		110		115		120
165	Pro Val Ile Phe	Asp Arg Ser Arg	Glu Glu Ile Glu Glu Glu	Ala		
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167	Asn Gly Asp Ile	Phe Asp Ile Glu Ile	Gly Val Ser Asp Pro	Glu		
168		140		145		150
169	Lys Val Gly Asp	Gly Met Asn Ala Tyr	Met Ala Tyr Arg Val	Thr		
170		155		160		165
171	Thr Lys Thr Ser	Leu Ser Met Phe Ser	Lys Ser Glu Phe Ser	Val		
172		170		175		180
173	Lys Arg Arg Phe	Ser Asp Phe Leu Gly	Leu His Ser Lys Leu	Ala		
174		185		190		195
175	Ser Lys Tyr Leu	His Val Gly Tyr Ile	Val Pro Pro Ala Pro	Glu		
176		200		205		210
177	Lys Ser Ile Val	Gly Met Thr Lys Val	Lys Val Gly Lys Glu	Asp		
178		215		220		225
179	Ser Ser Ser Thr	Glu Phe Val Glu Lys	Arg Arg Ala Ala Leu	Glu		
180		230		235		240
181	Arg Tyr Leu Gln	Arg Thr Val Lys His	Pro Thr Leu Leu Gln	Asp		
182		245		250		255
183	Pro Asp Leu Arg	Gln Phe Leu Glu Ser	Ser Glu Leu Pro Arg	Ala		
184		260		265		270
185	Val Asn Thr Gln	Ala Leu Ser Gly Ala	Gly Ile Leu Arg Met	Val		
186		275		280		285
187	Asn Lys Ala Ala	Asp Ala Val Asn Lys	Met Thr Ile Lys Met	Asn		
188		290		295		300
189	Glu Ser Asp Ala	Trp Phe Glu Glu Lys	Gln Gln Gln Phe Glu	Asn		
190		305		310		315
191	Leu Asp Gln Gln	Leu Arg Lys Leu His	Val Ser Val Glu Ala	Leu		
192		320		325		330
193	Val Cys His Arg	Lys Glu Leu Ser Ala	Asn Thr Ala Ala Phe	Ala		
194		335		340		345
195	Lys Ser Ala Ala	Met Leu Gly Asn Ser	Glu Asp His Thr Ala	Leu		
196		350		355		360
197	Ser Arg Ala Leu	Ser Gln Leu Ala Glu	Val Glu Glu Lys Ile	Asp		
198		365		370		375
199	Gln Leu His Gln	Glu Gln Ala Phe Ala	Asp Phe Tyr Met Phe	Ser		
200		380		385		390
201	Glu Leu Leu Ser	Asp Tyr Ile Arg Leu	Ile Ala Ala Val Lys	Gly		
202		395		400		405
203	Val Phe Asp His	Arg Met Lys Cys Trp	Gln Lys Trp Glu Asp	Ala		
204		410		415		420
205	Gln Ile Thr Leu	Leu Lys Lys Arg Glu	Ala Glu Ala Lys Met	Met		
206		425		430		435
207	Val Ala Asn Lys	Pro Asp Lys Ile Gln	Gln Ala Lys Asn Glu	Ile		
208		440		445		450
209	Arg Glu Trp Glu	Ala Lys Val Gln Gln	Gly Glu Arg Asp Phe	Glu		
210		455		460		465
211	Gln Ile Ser Lys	Thr Ile Arg Lys Glu	Val Gly Arg Phe Glu	Lys		
212		470		475		480

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213 Glu Arg Val Lys Asp Phe Lys Thr Val Ile Ile Lys Tyr Leu Glu
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218                               515
223 <210> SEQ ID NO: 4
224 <211> LENGTH: 613
225 <212> TYPE: PRT
226 <213> ORGANISM: Homo sapiens
228 <220> FEATURE:
229 <221> NAME/KEY: misc_feature
230 <223> OTHER INFORMATION: Incyte ID No:1749964CD1
232 <400> SEQUENCE: 4
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237 Asn Lys Ala Thr Asp Pro Ser Met Ser Glu Gln Asp Trp Ser Ala
238                               35                               40                               45
239 Ile Gln Asn Phe Cys Glu Gln Val Asn Thr Asp Pro Asn Gly Pro
240                               50                               55                               60
241 Thr His Ala Pro Trp Leu Leu Ala His Lys Ile Gln Ser Pro Gln
242                               65                               70                               75
243 Glu Lys Glu Ala Leu Tyr Ala Leu Thr Val Leu Glu Met Cys Met
244                               80                               85                               90
245 Asn His Cys Gly Glu Lys Phe His Ser Glu Val Ala Lys Phe Arg
246                               95                               100                              105
247 Phe Leu Asn Glu Leu Ile Lys Val Leu Ser Pro Lys Tyr Leu Gly
248                               110                              115                              120
249 Ser Trp Ala Thr Gly Lys Val Lys Gly Arg Val Ile Glu Ile Leu
250                               125                              130                              135
251 Phe Ser Trp Thr Val Trp Phe Pro Glu Asp Ile Lys Ile Arg Asp
252                               140                              145                              150
253 Ala Tyr Gln Met Leu Lys Lys Gln Gly Ile Ile Lys Gln Asp Pro
254                               155                              160                              165
255 Lys Leu Pro Val Asp Lys Ile Leu Pro Pro Pro Ser Pro Trp Pro
256                               170                              175                              180
257 Lys Ser Ser Ile Phe Asp Ala Asp Glu Glu Lys Ser Lys Leu Leu
258                               185                              190                              195
259 Thr Arg Leu Leu Lys Ser Asn His Pro Glu Asp Leu Gln Ala Ala
260                               200                              205                              210
261 Asn Arg Leu Ile Lys Asn Leu Val Lys Glu Glu Gln Glu Lys Ser
262                               215                              220                              225
263 Glu Lys Val Ser Lys Arg Val Ser Ala Val Glu Glu Val Arg Ser
264                               230                              235                              240
265 His Val Lys Val Leu Gln Glu Met Leu Ser Met Tyr Arg Arg Pro
266                               245                              250                              255
267 Gly Gln Ala Pro Pro Asp Gln Glu Ala Leu Gln Val Val Tyr Glu

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VERIFICATION SUMMARY

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Input Set : A:\pf0577usn_seqlist.txt

Output Set: N:\CRF3\08262002\I763902B.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application Number

L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date